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Freeform Search

Database: US Patents Full-Text Database
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Derwent World Patents Index
IBM Technical Disclosure Bulletins

Term: ((707/200)!.CCLS.)

Display: 10 Documents in Display Format: CIT Starting with Number 1

Generate: ○ Hit List ◎ Hit Count ○ Side by Side ○ Image

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Search History

DATE: Thursday, January 24, 2002 Printable Copy Create Case

Set Name side by side	Query	Hit Count	Set Name result set
DB=USPT,PGPB,JPAB,EPAB,DWPI,TDBD; PLUR=YES; OP=OR			
L59	L58 and rank$ same data same records	14	L59
L58	L57 and key	969	L58
L57	L56 and data near records	1459	L57
L56	database with manag$ with system	10221	L56
DB=USPT; PLUR=YES; OP=			
L55	4606002.pn.	1	L55
L54	4677550.pn.	1	L54
L53	4945475.pn.	1	L53
L52	5049881.pn.	1	L52
L51	5058002.pn.	1	L51
L50	5201046.pn.	1	L50
L49	5218696.pn.	1	L49
L48	5237678.pn.	1	L48

L47	5261088.pn.	1	L47
L46	5283894.pn.	1	L46
L45	5379419.pn.	1	L45
L44	5404510.pn.	1	L44
L43	5414704.pn.	1	L43
L42	5475826.pn.	1	L42
L41	5511190.pn.	1	L41

DB=USPT,PGPB,JPAB,EPAB,DWPI,TDBD; PLUR=YES; OP=OR

L40	L39 and page near size	4	L40
L39	L38 and key	107	L39
L38	hash$ near records	143	L38

DB=USPT; PLUR=YES; OP=

L37	4121286.pn.	1	L37
L36	4215402.pn.	1	L36
L35	4447875.pn.	1	L35
L34	4502118.pn.	1	L34
L33	4716524.pn.	1	L33
L32	4775932.pn.	1	L32

DB=USPT,PGPB,JPAB,EPAB,DWPI,TDBD; PLUR=YES; OP=OR

L31	l13 and garbage near collection	20	L31
L30	L29 and page near size	6	L30
L29	L28 and rank$	202	L29
L28	L26 and key	1706	L28
L27	L26 and sections	1233	L27
L26	L25 and data with records	2719	L26
L25	database near manag$	8847	L25

DB=USPT,PGPB; PLUR=YES; OP=OR

L24	(((711/130)!.CCLS.))	155	L24
L23	(((711/129)!.CCLS.))	171	L23
L22	(((711/117)!.CCLS.))	266	L22
L21	(((711/160)!.CCLS.))	109	L21
L20	(((711/113)!.CCLS.))	456	L20
L19	(((711/$)!.CCLS.))	12581	L19
L18	(((707/$)!.CCLS.))	12008	L18
L17	(((707/10$)!.CCLS.))	4658	L17
L16	(((707/3)!.CCLS.))	1551	L16
L15	(((707/103)!.CCLS.))	0	L15
L14	(((707/8)!.CCLS.))	491	L14
L13	((707/200)!.CCLS.)	762	L13

DB=USPT; PLUR=YES; OP=

L12	3938097.pn.	1	L12
L11	4008460.pn.	1	L11

DB=USPT,PGPB; PLUR=YES; OP=OR

L10	5121495.pn.	1	L10
L9	4996663.pn.	1	L9
L8	5717893.pn.	1	L8
L7	5706506.pn.	1	L7
L6	5493668.pn.	1	L6
L5	5317731.pn.	1	L5
L4	5235701.pn.	1	L4
L3	4574346.pn.	1	L3
L2	4422145.pn.	1	L2
L1	4186438.pn.	1	L1

END OF SEARCH HISTORY

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L40: Entry 3 of 4 File: USPT Nov 11, 1997

US-PAT-NO: 5687361
DOCUMENT-IDENTIFIER: US 5687361 A

TITLE: System for managing and accessing a dynamically expanding computer database

DATE-ISSUED: November 11, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Sarkar; Shyam Sundar	St. Paul	MN		

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Unisys Corporation	Blue Bell	PA			02

APPL-NO: 8/ 387192 [PALM]
DATE FILED: February 13, 1995

INT-CL: [6] G06 F 17/30

US-CL-ISSUED: 395/601; 395/611
US-CL-CURRENT: 707/1

FIELD-OF-SEARCH: 395/600, 395/601, 395/611

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

Search Selected | Search ALL

	PAT-NO	ISSUE DATE	PATENTEE-NAME	US-CL
☐	4606002	August 1986	Waisman et al.	364/200
☐	4677550	June 1987	Ferguson	364/300
☐	4945475	July 1990	Bruffey et al.	364/200
☐	5049881	September 1991	Gibson et al.	341/95
☐	5058002	October 1991	Nakamura et al.	364/200
☐	5201046	April 1993	Goldberg et al.	395/600
☐	5218696	June 1993	Baird et al.	395/600
☐	5237678	August 1993	Kuechler et al.	395/600
☐	5261088	November 1993	Baird et al.	395/600
☐	5283894	February 1994	Deran	395/600
☐	5379419	January 1995	Hefferman et al.	395/600
☐	5404510	April 1995	Smith et al.	395/600
☐	5414704	May 1995	Spinney	370/60
☐	5475826	December 1995	Fischer	395/182.04
☐	5511190	April 1996	Sharma et al.	395/600

OTHER PUBLICATIONS

Reingold et al., "Data Structure in Pascal" (Little, Brown computer systems series) pp. 300-490 Jan. 1986.
C.J. Date "An introduction to Database Systems 6th ed" (The Systems programming series) pp. 713-746 Aug. 1995.
Witobl Litwin "Virtual Hashing: A Dynamically Changing Hashing, " P (517-523) Sep. 1978.
Witold Litwin "Virtual Hashing: A NewTool For File and Table Addressing" (212-223) Sep. 1980.

ART-UNIT: 237
PRIMARY-EXAMINER: Black; Thomas G.
ASSISTANT-EXAMINER: Corrielus; Jean M.
ATTY-AGENT-FIRM: Schwegman, Lundberg, Woessner & Kluth, P.A.

ABSTRACT:

A database management and access system is described which provides dynamic key space allocation to one or more pages of the database as records are added to the database. The database management and access system includes a page access subsystem and a record access subsystem to facilitate record access by incorporating an order preserving, linear hashing function for cluster preservation and using empty page flags and overflow page flags to decrease range query time latencies of the database.

10 Claims, 17 Drawing figures

End of Result Set

☐ Generate Collection Print

L1: Entry 1 of 1 File: USPT Jan 29, 1980

US-PAT-NO: 4186438
DOCUMENT-IDENTIFIER: US 4186438 A

TITLE: Interactive enquiry system

DATE-ISSUED: January 29, 1980

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Benson; Paul H.	Chandlers Ford			GB2
Kingdom-Hockings; Michael L.	Chandlers Ford			GB2
Middleton; Brian H.	Winchester			GB2
Pinnell; Martin C.	Winchester			GB2
Robinson; Thomas E.	Romsey			GB2
Sheeler; Richard E.	Winchester			GB2
Simmons; John	Chandlers Ford			GB2

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
International Business Machines Corporation	Armonk	NY			02

APPL-NO: 5/ 778181 [PALM]
DATE FILED: March 16, 1977

FOREIGN-APPL-PRIORITY-DATA:

COUNTRY	APPL-NO	APPL-DATE
GB	10813/76	March 17, 1976

INT-CL: [2] G06F 3/04, G06F 7/06, G06F 13/06

US-CL-ISSUED: 364/200
US-CL-CURRENT: 711/113; 711/136

FIELD-OF-SEARCH: 364/2MSFile, 364/9MSFile

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

Search Selected Search ALL

	PAT-NO	ISSUE DATE	PATENTEE-NAME	US-CL
☐	3394246	April 1963	Goldman	235/61.7
☐	3564509	February 1971	Perkins et al.	364/200
☐	3569938	March 1971	Eden et al.	364/200
☐	3686637	August 1972	Zachar et al.	364/200
☐	3696335	October 1972	Lemelson	340/149A
☐	3771135	November 1973	Huettner et al.	364/200
☐	3810105	May 1974	England	364/200
☐	3909798	September 1975	Wallach et al.	364/200
☐	3938097	February 1976	Niguette	364/200
☐	4008460	February 1977	Bryant et al.	364/200

FOREIGN PATENT DOCUMENTS

FOREIGN-PAT-NO	PUBN-DATE	COUNTRY	US-CL
1354827	May 1974	GBX	364/200
1437883	June 1976	GBX	364/200

ART-UNIT: 237
PRIMARY-EXAMINER: Nusbaum; Mark E.
ATTY-AGENT-FIRM: Hesse; Karl O.

ABSTRACT:

Described is an interactive enquiry system in which a complete data base is contained at a host computer. Local terminal sub-systems are remotely connected to the host with each local sub-system containing a local data base. Each local data base is dynamically maintained so that the most frequently used pages are retained in local storage. If storage space needs to be created, the least frequently used pages are discarded from the local data base.

11 Claims, 28 Drawing figures

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L2: Entry 1 of 1 File: USPT Dec 20, 1983

US-PAT-NO: 4422145
DOCUMENT-IDENTIFIER: US 4422145 A

TITLE: Thrashing reduction in demand accessing of a data base through an LRU paging buffer pool

DATE-ISSUED: December 20, 1983

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Sacco; Giovanni M.	Turin			ITX
Schkolnick; Mario	Monte Sereno	CA		

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
International Business Machines Corporation	Armonk	NY			02

APPL-NO: 6/ 334272 [PALM]
DATE FILED: October 26, 1981

PCT-DATA:

APPL-NO	DATE-FILED	PUB-NO	PUB-DATE	371-DATE	102(E)-DATE
PCT/US81/01109	August 18, 1981	WO83/00758	Mar 3, 1983	Oct 26, 1981	Oct 26, 1981

INT-CL: [3] G11C 9/06

US-CL-ISSUED: 364/300; 364/200
US-CL-CURRENT: 711/160

FIELD-OF-SEARCH: 364/200, 364/300, 364/900

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

Search Selected | Search ALL

	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
☐	235806	February 1981	Mattson et al.	
☐	3806883	April 1974	Weisbecker	364/200
☐	3958228	May 1976	Coombes et al.	364/200
☐	4035778	July 1977	Ghanem	364/200
☐	4059850	November 1977	Van Eck et al.	364/200
☐	4168541	September 1979	De Karske	364/200

OTHER PUBLICATIONS

Lang, et al., "Data Base Buffer Paging in Virtual Storage Systems", ACM Transactions on Data Base Systems, Dec. 1977, pp. 339-351.
Selinger, et al., "Access Path Selection in a Relational Data Base", Proc. 1979, Sigmod Conf. of ACM, pp. 22-34.
IBM General Information and Concepts and Installation Manuals, GH24-5012 and GH24-5013, Jan. 1981.
Denning, "The Working Set Model for Programmed Behavior", Communication of ACM, vol. 11, May 1968, pp. 323-333.
Shaw, "The Logical Design of Operating Systems", 1974, pp. 138-144.
Coffman, "Operating Systems Theory", Prentice-Hall, pp. 298-299, 1973.

ART-UNIT: 232
PRIMARY-EXAMINER: Zache; Raulfe B.
ATTY-AGENT-FIRM: Brodie; R. Bruce

ABSTRACT:

A CPU implementable method for minimizing thrashing among concurrent processes demand page accessing a data base through an LRU page organized buffer pool. There is ascertained the set of pages over which there is looping access behavior for the prospectively executing concurrent processes. This parameter, as determined for each task, is passed to the storage accessing component which partitions the buffer into LRU stacks and dynamically adjusts the stack to this predicted parameter size.

9 Claims, 4 Drawing figures

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Search Results -

Terms	Documents
5842212.pn.	1

Database: US Patents Full-Text Database; US Pre-Grant Publication Full-Text Database; JPO Abstracts Database; EPO Abstracts Database; Derwent World Patents Index; IBM Technical Disclosure Bulletins

Search: 5842212.pn.

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Search History

DATE: Thursday, January 24, 2002 Printable Copy Create Case

End of Result Set

L13: Entry 1 of 1 File: USPT Nov 24, 1998

US-PAT-NO: 5842207
DOCUMENT-IDENTIFIER: US 5842207 A

TITLE: Method for storing records of a distributed database by plural processors to provide a host processor with sorted records belonging to one of a plurality of key sections

DATE-ISSUED: November 24, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Fujiwara; Shinji	Kokubunji			JPX
Shintani; Yooichi	Machida			JPX
Nagasaka; Mitsuru	Kodaira			JPX
Hamanaka; Naoki	Tokyo			JPX
Suzuki; Mikiko	Kunitachi			JPX

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Hitachi, Ltd.	Tokyo			JPX	03

APPL-NO: 7/ 911617 [PALM]
DATE FILED: July 10, 1992

FOREIGN-APPL-PRIORITY-DATA:

COUNTRY	APPL-NO	APPL-DATE
JP	3-169661	July 10, 1991

INT-CL: [6] G06 F 17/30

US-CL-ISSUED: 707/7; 707/10
US-CL-CURRENT: 707/7; 707/10

FIELD-OF-SEARCH: 395/600, 395/650, 364/246.3, 364/252.3, 364/252.4, 364/280.6, 364/281, 364/281.3, 364/281.4, 364/281.6, 364/282.1, 364/282.3, 364/282.4

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

	PAT-NO	ISSUE DATE	PATENTEE-NAME	US-CL
☐	3611316	October 1971	Woodrum	395/800
☐	4575798	March 1986	Lindstrom et al.	123/643
☐	4760526	July 1988	Takeda et al.	707/7
☐	4817050	March 1989	Komatsu et al.	707/10
☐	5058002	October 1991	Nakamura et al.	707/1
☐	5146590	September 1992	Lorie et al.	707/7
☐	5179699	January 1993	Iyer et al.	707/7
☐	5230047	July 1993	Frey, Jr. et al.	395/182.02

FOREIGN PATENT DOCUMENTS

FOREIGN-PAT-NO	PUBN-DATE	COUNTRY	US-CL
0127753	December 1984	EPX	
0377993	July 1990	EPX	
A-2-118756	0000	JPX	
A-2-228730	0000	JPX	

OTHER PUBLICATIONS

Ullman, translated by Kunii et al., "Principle of Database System", pp. 59-61.
S. Sekiguchi et al., "Methods in Parallel Scientific Computation", Information Processing, vol. 27, No. 9, Sep. 1986, pp.985-993.
DeWitt et al., "Parallel Sorting on a Shared Nothing Architecture Using Probabilistic Splitting", 4-6 Dec. 1991, pp. 280-291, IEEE Comp. Soc. Press.
Haishoud, et al., "Critical Issues in the Design of a Fault-Tolerant Multiprocessor Database Server".

ART-UNIT: 271
PRIMARY-EXAMINER: Black; Thomas G.
ASSISTANT-EXAMINER: Choules; Jack M.
ATTY-AGENT-FIRM: Antonelli, Terry, Stout & Kraus

ABSTRACT:

A sorting method used with a distributed database having a plurality of first processors for holding partial records of a database that is divided into a plurality of portions and a host processor for accessing to each of the first processors. The method comprises the steps of: assigning a plurality of sections into which the distribution range of key values of records of the database is partitioned to a plurality of second processors in the first processors, and information for representing storage positions of the records to the second processors to which the sections of the key values, to which the records belong, are assigned; and sorting the plurality of key values, which have been received, in the second processors to produce key tables in which the information for representing the storage positions of the records which has been received is registrated together with the sorted key values, as the sorting result.

4 Claims, 18 Drawing figures

End of Result Set

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L19: Entry 1 of 1 File: USPT Dec 12, 1995

US-PAT-NO: 5475826
DOCUMENT-IDENTIFIER: US 5475826 A

TITLE: Method for protecting a volatile file using a single hash

DATE-ISSUED: December 12, 1995

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Fischer; Addison M.	Naples	FL	33942	

APPL-NO: 8/ 154520 [PALM]
DATE FILED: November 19, 1993

INT-CL: [6] G06 F 12/00, G06 F 3/023

US-CL-ISSUED: 395/182.04; 395/421.09, 395/421.1, 395/600, 395/421.06, 364/DIG.1, 364/246.6, 364/252.5, 364/255.1
US-CL-CURRENT: 707/1; 711/216, 711/219, 711/220, 714/6

FIELD-OF-SEARCH: 395/600, 395/400, 395/421.06, 395/421.09, 395/421.10, 364/DIG.1

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

Search Selected Search ALL

	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
☐	4290105	September 1981	Cichelli et al.	364/200
☐	4352952	October 1982	Boone et al.	178/22.09
☐	4588991	May 1991	Atalla	340/825.31
☐	5182799	January 1993	Tamura et al.	395/400
☐	5199073	March 1993	Scott	380/49
☐	5204966	April 1993	Wittenberg et al.	395/800
☐	5208853	May 1993	Armbruster et al.	380/4
☐	5267313	November 1993	Hirata	380/21
☐	5297208	March 1994	Schlafly et al.	380/49
☐	5319712	July 1994	Finkelstein et al.	380/44

ART-UNIT: 237
PRIMARY-EXAMINER: Black; Thomas G.
ASSISTANT-EXAMINER: Homere; Jean R.
ATTY-AGENT-FIRM: Nixon & Vanderhye

ABSTRACT:

The present invention permits the hash of a file to be taken on an incremental basis. It permits any part of the file to be changed while allowing a new aggregate hash to be computed based on the revised file portion and the prior total hash. The aggregate has is readily updated with each record revision without having to recompute the hash of the entire file in accordance with conventional techniques. These objectives are accomplished using two functions. The first function is an effective one-way hash function "H" for which it is computationally impossible to find two data values that hash to the same result. The second function is a commutative and associative function "F" (and inverse "Finv") and provides a mechanism for combining the aggregate hash and the hash of updated records. Examples of these latter functions include exclusive OR ("XOR") and arithmetic addition. The hash of each file record and the has of an identification of the record (i.e., a record number or key) are combined using a function ("F") whereby individual records may be extracted using the inverse of that function (Finv). In this fashion, an individual record may be extracted from the aggregate hash and updated. Each record is represented by its identification hashed together with its data content. All such record hashs are added together to provide a highly secure integrity check. This aggregate hash covers the entire database such that the tampering (or rearranging) of any data record is revealed by the use of the record identifier (i.e., record number) in the hash calculation due to its impact on the aggregate hash (e.g., the sum).

13 Claims, 6 Drawing figures

End of Result Set

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L29: Entry 1 of 1 File: USPT May 9, 1995

US-PAT-NO: 5414704
DOCUMENT-IDENTIFIER: US 5414704 A

TITLE: Address lookup in packet data communications link, using hashing and content-addressable memory

DATE-ISSUED: May 9, 1995

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Spinney; Barry A.	Wayland	MA		

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Digital Equipment Corporation	Maynard	MA			02

APPL-NO: 8/ 223379 [PALM]
DATE FILED: April 5, 1994

PARENT-CASE:
This application is a continuation, of application Ser. No. 07/964,738, filed Oct. 22, 1992, now abandoned. RELATED CASES The application discloses subject matter also disclosed in the following copending U.S. patent applications, all of which are assigned to Digital Equipment Corporation: Ser. No. 07/964,791, filed Oct. 22, 1992, by Nigel Terence Poole, for "BACKPLANE WIRING FOR HUB IN PACKET DATA COMMUNICATIONS SYSTEM" (PD92-0558); Ser. No. 07/964,792, filed Oct. 22, 1992, by Nigel Terence Poole, for "CROSSBAR SWITCH FOR SYNTHESISING MULTIPLE BACKPLANE INTERCONNECT TOPOLOGIES IN COMMUNICATIONS SYSTEM" (PD92-0559); Ser. No. 07/965,651, filed Oct. 22, 1992, by Bryan Alan Spinney, for "PACKET FORMAT IN HUB FOR PACKET DATA COMMUNICATIONS SYSTEM" (PD93-0012); and Ser. No. 07/969,121, filed Oct. 22, 1992, by Martin Edward Griesmer et al, for "APPARATUS AND METHOD FOR MAINTAINING FORWARDING INFORMATION IN A BRIDGE OR ROUTER" (PD93-0013).

INT-CL: [6] H04 J 3/26, H04 L 12/46, H04 L 12/56

US-CL-ISSUED: 370/60; 370/94.1, 395/400, 395/600
US-CL-CURRENT: 370/389; 707/1, 711/108, 711/216

FIELD-OF-SEARCH: 370/60, 370/85.13, 370/85.14, 370/94.1, 340/825.52, 395/400, 395/600

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

Search Selected | Search ALL

	PAT-NO	ISSUE DATE	PATENTEE-NAME	US-CL
☐	4587610	May 1986	Rodman	395/400
☐	4677550	June 1987	Ferguson	364/300
☐	4680700	July 1987	Hester et al.	364/200
☐	4695949	September 1987	Thatte et al.	364/200
☐	4780816	October 1988	Connell	364/200
☐	4922417	May 1990	Churm et al.	364/200
☐	4933937	June 1990	Konishi	370/85.13
☐	5027350	June 1991	Marshall	370/94.1 X
☐	5032987	July 1991	Broder et al.	364/200
☐	5109336	April 1992	Guenther et al.	395/425
☐	5121495	June 1992	Nemes	395/600
☐	5136580	August 1992	Videlock et al.	370/94.1 X
☐	5197002	March 1993	Spencer	395/400 X
☐	5247620	September 1993	Fukuzawa et al.	395/325

FOREIGN PATENT DOCUMENTS

FOREIGN-PAT-NO	PUBN-DATE	COUNTRY	US-CL
0522743	January 1993	EPX	
4023527	January 1991	DEX	

ART-UNIT: 263
PRIMARY-EXAMINER: Marcelo; Melvin
ATTY-AGENT-FIRM: Johnston; A. Sidney Dagg; David A.

ABSTRACT:

A way of doing source address and destination address lookups is described, as may be used in a packet data communication system. A way of searching a relatively large database is described, using a combination of programmable hash algorithms, binary search algorithms, and a small content-addressable memory (CAM). The technique is efficient in space, time and cost, compared to prior methods. For example, prior methods using conventional binary reads may have used thirteen reads, whereas this technique requires on average two reads, with a worst case of four reads.

22 Claims, 9 Drawing figures

WEST

End of Result Set

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L5: Entry 1 of 1 File: USPT Oct 11, 1994

US-PAT-NO: 5355473
DOCUMENT-IDENTIFIER: US 5355473 A

TITLE: Indexed record locating and counting mechanism

DATE-ISSUED: October 11, 1994

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Au; Lawrence	Washington	DC	20009	

APPL-NO: 7/ 718286 [PALM]
DATE FILED: June 20, 1991

INT-CL: [5] G06F 15/40

US-CL-ISSUED: 395/600; 364/974.3, 364/963, 364/960.5, 364/DIG.2
US-CL-CURRENT: 707/3

FIELD-OF-SEARCH: 395/600, 364/419, 364/DIG.1, 364/DIG 2

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

Search Selected | Search ALL

	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
☐	4429385	January 1984	Cichelli et al.	370/92
☐	4468728	August 1984	Wang	395/600
☐	4677550	June 1987	Ferguson	395/600
☐	4774657	September 1988	Anderson et al.	395/600
☐	4914569	April 1990	Levine et al.	395/600
☐	5043872	August 1991	Cheng et al.	395/600
☐	5095458	March 1992	Lynch et al.	364/787
☐	5202986	April 1993	Nickel	395/600

OTHER PUBLICATIONS

D. Knuth, The Art of Computer Programming: "Sorting and Searching", Addison-Wesley .COPYRGT. 1973.
Aho et al., Data Structures and Algorithms, Addison-Wesley .COPYRGT. 1983.
Kruse, Data Structures and Programming Design, Prentice-Hall .COPYRGT. 1984.
Sedgewick, Algorithms, Addison-Wesley .COPYRGT. 1983.

ART-UNIT: 237
PRIMARY-EXAMINER: Lee; Thomas C.
ASSISTANT-EXAMINER: Von Buhr; Maria N.

ABSTRACT:

An indexed record locating and counting mechanism quickly returns time critical information to query mechanisms. The amount of time required to return time critical information is linearly bounded by the length of the sequences of symbols or records requested by the query, allowing massively scaled databases to be manipulated quickly and efficiently on a record by record basis.

1 Claims, 10 Drawing figures

End of Result Set

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L7: Entry 1 of 1 File: USPT Apr 5, 1994

US-PAT-NO: 5301319
DOCUMENT-IDENTIFIER: US 5301319 A

TITLE: Data storage audit trail

DATE-ISSUED: April 5, 1994

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Thurman; Audree	Phoenix	AZ		
Person; Stanley	Mesa	AZ		
Shelton; Richard	Mesa	AZ		
Norden-Paul; Ronald	Mesa	AZ		

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Emtek Health Care Systems, Inc.	Tempe	AZ			02

APPL-NO: 7/ 980135 [PALM]
DATE FILED: November 23, 1992

PARENT-CASE:
This application is a continuation of prior application Ser. No. 07/409,230 filed Sep. 15, 1989, now abandoned.

INT-CL: [5] G06F 15/40

US-CL-ISSUED: 395/600; 364/DIG.2, 364/974, 364/963.3, 364/957.3
US-CL-CURRENT: 707/103R; 707/203

FIELD-OF-SEARCH: 395/600

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

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	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
☐	3940742	February 1976	Hudspeth et al.	340/172.5
☐	4591974	May 1986	Dornbush et al.	364/200
☐	4611298	September 1986	Schuldt	364/900
☐	4646229	February 1987	Boyle	364/200

ART-UNIT: 236
PRIMARY-EXAMINER: Shaw; Gareth D.
ASSISTANT-EXAMINER: Chaki; Kakali
ATTY-AGENT-FIRM: Warren; Raymond J. Nielsen; Walter W. Bingham; Michael D.

ABSTRACT:

The database is provided with an audit trail for the structure types of the object instances. As a component of an object instance of the database is corrected/changed, the corrected/changed component is substituted for the original component and the original component is linked to the corrected/changed component.

2 Claims, 20 Drawing figures